

LIQUID CRYSTAL DISPLAY DEVICE (03-126921)**Publication Number:** JP 3126921 A) , May 30, 1991**Inventors:**

- HAYASHI HISAO
- YOSHIDA KAZUYOSHI

Applicants

- SONY CORP (A Japanese Company or Corporation), JP (Japan)

Application Number: 01-265757 (JP 89265757) , October 12, 1989**International Class (IPC Edition 5):**

- G02F-001/136
- H01L-029/784

JAPIO Class:

- 29.2 (PRECISION INSTRUMENTS--- Optical Equipment)
- 42.2 (ELECTRONICS--- Solid State Components)

JAPIO Keywords:

- R011 (LIQUID CRYSTALS)

Abstract:

PURPOSE: To improve the transmittivity of a transparent display electrode and to make the contact of a thin film transistor with the transparent display electrode good by making the contact part of the transparent display electrode with the thin film transistor have two-layer structure and forming the other part other than the contact part of one layer.

CONSTITUTION: Since the part other than the contact part of the transparent display electrode 34 with the thin film transistor 26 is formed of the one thin layer of the transparent conductive film 31, the light transmittivity of the transparent display electrode 34 is substantially improved. On the other hand, since the contact part of the transparent display electrode 34 with the thin film transistor 26 is formed of two layers of the transparent electrode films 31 and 32, even though a level is made different on the 1st layer of thin transparent conductive film 31, a level difference part is fully covered by the 2nd layer of thick transparent electrode film 32. Then, the occurrence of the level difference can be prevented and the transparent electrode film 34 can be surely brought into contact with the thin film transistor 26. Thus, the transmittivity of the display electrode 34 can be improved and simultaneously the contact of the display electrode 34 with the thin film transistor 26 can be surely performed. (From: *Patent Abstracts of Japan*, Section: P, Section No. 1244, Vol. 15, No. 342, Pg. 18, August 29, 1991)

JAPIO

© 2003 Japan Patent Information Organization. All rights reserved.

Dialog® File Number 347 Accession Number 3464021